



State of Illinois
Department of Innovation & Technology

Illinois Century Network

Connecting Illinois



A Network Built For Education

The Illinois Century Network (ICN) understands networking and the importance of high-speed fiber optic broadband for Illinois schools!

The ICN combines cutting edge technology and unsurpassed customer support to provide a secure, dependable and scalable network that delivers fast Internet service for Illinois schools statewide.

Services Tailored For Illinois Schools

The ICN offers a broad portfolio of services catering to the unique requirements of the education community and is designed to meet future demand for the next decade. ICN manages Quality of Service (QoS) based on customer requirements to ensure critical applications have the right of way over the last mile and ICN network. We offer a number of value-added services which include backup and special events bandwidth (including PARCC testing), DNS hosting, collocation and distributed denial-of-service (DDoS) protection. We connect to multiple peering points as well as research and education networks such as Internet2 and many more. The ICN is an E-rate authorized service provider and our staff will assist you with every step of the process.

The ICN ensures both world-class technology and service for Illinois schools!

CONNECTIVITY TO INTERNET2

Direct connectivity to Internet2! A private worldwide site designed exclusively for the education and research community.



24/7 SUPPORT

ICN services are supported by highly trained staff who monitor the backbone, ensuring availability for all our customers.



QUALITY OF SERVICE

INTERNET2

SYNCHRONOUS BANDWIDTH

24/7 SUPPORT



Contact Us Today!

For more information, contact your local Regional Technology Center or visit www.illinois.net.
General Inquiries: 217-524-3648 or 312-814-3648 Option 2 | DoIT.ICN@illinois.gov





BENEFITS AT A GLANCE:

QUALITY OF SERVICE (QOS):

You tell us your priority traffic and we will ensure it has the right of way

HIGH-AVAILABILITY:

The ICN will keep you connected! Our redundant statewide backbone ensures high network uptime

GUARANTEED & SYNCHRONOUS BANDWIDTH:

You get exactly what you subscribe to with the same upload and download speeds to access educational resources rapidly

POINT TO POINT & MULTIPOINT TRANSPORT:

Configure your own private network between campus locations

CACHING SERVICES:

ICN has both Google and Akamai caching servers delivering efficient content locally

RESILIENCY & REDUNDANCY:

Built-in resiliency through redundant and diverse routing, with multiple Tier 1 providers and peering with numerous public and private networks

FULLY MULTICAST ENABLED:

Broadcast quality video from CSPAN, PBS, NASA and hundreds of other bandwidth intensive Internet sites without delays or buffering

CONNECTION TO INTERNET2:

Direct connectivity to www.Internet2.edu designed exclusively for our research and education community

FIBER BUILDS:

Interconnect your local campus fiber network to the ICN and realize cost savings for your community schools, libraries, municipalities, and healthcare providers

How Does ICN Compare?

| TYPE | ICN | CABLE MODEM | DSL | METRO E |
|------------------|------------|--------------|--------------|------------|
| Symmetrical | Yes | No | No | Yes |
| Oversubscription | 7:1 | 50:1 | 50:1 | 10:1 |
| Availability | Guaranteed | Best Effort | Best Effort | Guaranteed |
| Latency | 10ms | Not Measured | Not Measured | 40ms |

| VALUE-ADDED SERVICES | GUARANTEED AVAILABILITY | MULTICAST ENABLED | PEERING PARTNERSHIPS |
|----------------------|-------------------------|-------------------|----------------------|
|----------------------|-------------------------|-------------------|----------------------|

ICN Staff & Support

Your Trusted Advisors for Technology Excellence

You have our dedicated attention! There are nine Regional Technology Centers (RTC) strategically located throughout Illinois. RTC staff provide dedicated customer support and will work with you to create a customized network solution to meet your business requirements. The RTC team is backed up by the resources of our Network Services team and the Communications Management Center (CMC). Dedicated customer support is available 24/7.

Your Next Step!

Contact your local Regional Technology Center today to get CONNECTED! Find your local RTC office contact details at www.illinois.net and don't hesitate to call us at 217-524-3648 or 312-814-3648 Option 2.

What Our Customers Say!

Jeff Williams, Computer & Network Service, Danville Area Community College

"The new connection is outstanding, and our users (both students and employees) are benefiting greatly from it. We now have bandwidth to spare even during the middle of the day, which is a wonderful thing to have. Thank you!"

ICN Network Backbone

